



# Lawrence Livermore National Laboratory

## HEALTH & ECOLOGICAL ASSESSMENT DIVISION

February 22, 1994

Mr. Bill Jackson  
Pacific Area Support Office  
Department of Energy  
P.O. Box 29939  
Honolulu, HI 96820

Dear Bill:

→ Tom Bell  
→ What actually  
happened!

We didn't have time to put together an operations plan to cover the mini-mission to Enewetak this month. As you know, the decision to go to Enewetak and the time lines involved didn't leave much breathing room. Consequently, I wanted to summarize our goals for the mission so we have a record of the mission.

The goals for the February 1994 mission to Enewetak were very specific and directed toward sampling around the crater at Runit Island. In the late 1970's and early 1980's we had a sampling program at Enewetak that included sampling wells that were drilled near the Cactus encryptment on the lagoon side, lagoon water near the crater, and fish caught near the crater-end of Runit Island.

This mission is the result of discussions with Davor Pevec and the Enewetak leadership at the program review in Honolulu last December. Our goals are:

1. Find and sample the wells near Cactus Crater that were last sampled in 1984. We think the wells probably still exist and with any luck may not be silted in. We are taking equipment to help clear the wells if they are filled with fine coral sand.
2. Collect lagoon water at the outflow region from Cactus Crater which previously had been about 100 to 200 meters north of the crater.
3. Collect fish (mullet and goat fish) near the crater where fish were collected in the 1980 program.

2 wells  
sampled

resolutions

mullet  
goat fish

fish food

soot water

→ they want shellfish, also.

They want land surveys around some  
farm area

Mr. Bill Jackson

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The purpose is to compare the results of  $^{137}\text{Cs}$ ,  $^{239+240}\text{Pu}$ , and  $^{241}\text{Am}$  concentrations in well water, lagoon water, and fish with those observed in 1980-1984.

I'm sure we will know how successful the mission is as the guys report back from the ship.

Best regards,

A handwritten signature in cursive script that reads "Bill".

William L. Robison  
Environmental Characterization &  
Integrated Assessment

WLR:rb  
xc: Tom Bell  
Harry Pettengill